



# Title 24 Requirements for Residential Lighting

(per 2007 California Energy Code, Title 24)

Location	Title 24 Requirements				Application Notes
<b>Kitchen</b>	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation coer (IC) and certified airtight ASTME283	Switch all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. At least 50% of total wattage in kitchen must be high efficacy. Low efficacy fixtures may be installed but not to exceed 50% of total wattage in kitchen area.
<b>Bathroom, Garage, Laundry Room, Utility Room</b>	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation coer (IC) and certified airtight ASTME283	Switch all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON and automatic-OFF.
<b>All other interior rooms (i.e. Hallway, Dining Room, Bedroom)</b>	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation coer (IC) and certified airtight ASTME283	Switch all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON OR if they are equipped with a dimmer switch.
<b>Outdoor lighting attached to buildings or on same lot</b>	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation coer (IC) and certified airtight ASTME283	Switch all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with a motion seensor that also includes a photo control to turn off fixtures during daytime.
<b>Common areas of low rise residential buildings (4 or more dwelling units)</b>	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation coer (IC) and certified airtight ASTME283	Switch all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON and automatic-OFF.

Lamp Power	Minimum Efficacy Lumens per Watt	Compliant Indoor Lamps	Compliant Outdoor Lamps
15 Watts or Less	40 LPW	Compact Fluorescent; Fluorescent; LED	Metal Halide; HPS; LED; Compact Fluorescent
>15 Watts or Less	50 LPW	Compact Fluorescent; Fluorescent;LED	Metal Halide; HPS; LED; Compact Fluorescent
>40 Watts	60 LPW	Compact Fluorescent; Fluorescent;LED	Metal Halide; HPS; LED; Compact Fluorescent

\*\*\*High Efficacy luminaires may not contain medium screw base sockets (exception: outdoor metal halide or high pressure sodium (HPS) high intensity discharge luminaires with electromagnetic ballast may have medium screw base sockets if minimum efficacy and motion sensor/photo control requirements are met.

\*\*\*Indoor Ballasts for lamps 13 watts or greater must be electronic.

